

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse DMBT1 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant mouse CD163 or recombinant human SRCRB4D is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 548012
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse DMBT1 Trp215-Gly420 Accession # Q60997
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DMBT1 (deleted in malignant brain tumors 1), also called salivary agglutinin (SAG) in humans, hensin in rabbit, ebnerin in rat, and mucin, crp-ductin or vomeroglandin in mouse, is a transmembrane or secreted 2085 amino acid (aa) protein of the scavenger receptor cysteine-rich (SRCR) family. It contains several SRCR and CUB domains and a zona pellucida motif. The region used as the immunogen (aa 215-420) contains most of SRCR 2 and 3, and shares ~74% aa identity with corresponding regions of rat or human DMBT1. Several alternately spliced, glycosylated and sulfated forms exist. DMBT1 functions in mucosal immunity by binding bacterial, viral and endogenous proteins to aid clearance by macrophages. It is also thought to play a role in epithelial cell differentiation and tumor suppression.

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